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R.L. Sloan, Sr. Manager
Remediation

Date: September 9, 1996

To: Amy Lange
Judy Black

From: Dick Sloan

Subject: French Ltd. Groundwater Monitoring - July, 1996, Event

As per our phone conversation on Friday, September 6, 1996, attached are the analytical result summaries for the July, 1996, groundwater monitoring event at the French Ltd. Project. These samples were collected between July 10 and July 16, 1996. There are three sections of data as follows:

- Attachment A - Analytical Result Summaries with Historical Data
- Attachment B - Field Duplicate Precision Summaries
- Attachment C - Sampling Method Comparison Summaries

Analytical QC Summary

All analytical was validated manually for these samples. The data was validated per Level 1 data validation protocols. Level 1 data validation protocols are specified for groundwater progress monitoring samples. All analytical data met QC requirements. There are a few instances where a lower detection limit could have been achieved, but overall, the reported detection limits were adequate for progress monitoring.

There were two (2) Trip Blanks and two (2) Field blanks submitted with these samples. All trip and field blank analytical results were acceptable.

There were five (5) field duplicates submitted with these samples. These were not blind field duplicates. The samples were submitted with the suffix "D" after the well name to indicate a field duplicate (that is, INT-022 and INT-022D). Field duplicates measure both sampling and analytical precision. The duplicate samples were collected immediately after the original sample at each well. The relative percent difference (RPD) results indicate that the analytical and sampling procedures are readily repeatable. A RPD value of 20% or less is acceptable. There were a few

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Amy Lange
September 9, 1996

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instances where the RPD was higher than 20%. In these cases, the concentrations of detected analyte were near or below the detection limit. Analytical results tend to get variable near the detection limit.

There were six (6) wells sampled by both micropurge and conventional purge methods. The wells were first sampled by micropurge (MP1); then the micropurge tube was removed and the well was purged of three casing volumes, allowed to recover, and a sample was collected by a hand bailer (B). The micropurge tube was reinstalled in the well. The well was allowed to settle and another sample was collected via micropurge method (MP2). The summaries of analytical results has RPD calculated for the first micropurge sample versus the second micropurge sample (MP1/MP2), as well as, MP1 versus B and MP2 versus B. Although the data has significant variability throughout the comparison and needs to be looked at on a well-by-well basis, the average RPD for the MP1 versus B is 61% and the average RPD for the MP2 versus B is 41%. This gross measure would seem to indicate that samples collected after bailing three volumes from the well were more representative than those collected by standard micropurge method. Analytical and sampling reproducibility in the field duplicate samples indicate that these factors can be discounted as a possible source of variability in sampling method comparison results.

I will send the plume/deed restriction map in a few days.

Please contact me if you have any questions or comments.

DS/ks

Attachments

ATTACHMENT A

Analytical Results with Historical Data

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FLTG-013

Compound	Criteria	Units	12 - 93	12 - 94	01 - 96	04 - 96	07 - 96
Dissolved Oxygen		ppm		2.6	1.8	1.8	0.1
Field pH		pH un		7.8	7.4	7.4	7.0
Specific Conductivity		umhos		800.0	300.0	350.0	345.0
Temperature		deg C		21.0	21.0	21.0	22.0
Total Organic Carbon		ppm		8.1 <	5.0	4.4 <	1.0
Ammonia-N		mg/L		< 0.1	< 0.1	< 0.1	< 0.1
Nitrate-N		mg/L		< 2.0	< 0.4	< 0.2	< 0.1
Orthophosphate-P		mg/L		< 2.0	< 0.1	< 0.1	< 0.1
Potassium		mg/L		0.9	1.1	1.1	1.1
Arsenic	50	ug/L		-			
Chromium	100	ug/L					
Lead	15	ug/L					
1,2-Dichloroethane	5	ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Acetone	3500	ug/L	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
Benzene	5	ug/L	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Toluene	1000	ug/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Vinyl chloride	2	ug/L	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2

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FLTG-014

Compound	Criteria	Units	12 - 93	12 - 94	01 - 96	04 - 96	07 - 96
Dissolved Oxygen		ppm		2.4	1.4	1.7	0.1
Field pH		pH un		7.8	7.2	7.0	7.0
Specific Conductivity		umhos		1000.0	220.0	300.0	390.0
Temperature		deg C		21.0	19.0	22.0	22.0
Total Organic Carbon		ppm		8.2 <	3.0	5.9 <	1.0
Ammonia-N		mg/L		< 0.1	0.5	0.7	0.9
Nitrate-N		mg/L		< 2.0	< 0.2	< 0.2	< 0.1
Orthophosphate-P		mg/L		< 2.0	< 0.1	< 0.1	0.4
Potassium		mg/L		1.8	1.3	1.6	1.8
Arsenic	50	ug/L					
Chromium	100	ug/L					
Lead	15	ug/L					
1,2-Dichloroethane	5	ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Acetone	3500	ug/L	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
Benzene	5	ug/L	< 0.3	< 0.3	< 0.3	< 7.0	< 0.3
Toluene	1000	ug/L	< 0.5	< 0.5	< 0.5	< 3.0	< 0.5
Vinyl chloride	2	ug/L	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2

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INT-022

Compound	Criteria	Units	04 - 95	10 - 95	01 - 96	04 - 96	07 - 96
Dissolved Oxygen		ppm		4.2	1.8	1.6	0.2
Field pH		pH un		7.1	6.9	6.9	7.2
Specific Conductivity		umhos		850.0	550.0	600.0	650.0
Temperature		deg C		24.0	23.0	21.0	22.0
Total Organic Carbon		ppm	160.0	25.0	< 0.4	4.2 <	1.0
Ammonia-N		mg/L		0.8	0.8	0.4	0.1
Nitrate-N		mg/L		16.7	2.0	0.2	0.1
Orthophosphate-P		mg/L		< 0.2	2.6 <	0.1	0.1
Potassium		mg/L		83.8	31.7	33.1	39.0
Arsenic	50	ug/L			21.0		
Chromium	100	ug/L			< 10.0		
Lead	15	ug/L			< 5.0		
1,2-Dichloroethane		5 ug/L		9.0 <	0.8 <	0.8 <	0.8
Acetone	3500	ug/L		< 6.0	< 6.0 <	6.0 <	6.0
Benzene		5 ug/L		9.0	44.0 <	0.3 <	0.3
Toluene	1000	ug/L		< 0.5	3.0 <	0.5 <	0.5
Vinyl chloride		2 ug/L		19.0	26.0 <	1.2 <	1.2

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INT-026

Compound	Criteria	Units	04 - 95	01 - 96	04 - 96	07 - 96
Dissolved Oxygen		ppm		2.5	1.2	0.1
Field pH		pH un		6.4	7.0	7.0
Specific Conductivity		umhos		800.0	550.0	900.0
Temperature		deg C		22.0	21.0	24.0
Total Organic Carbon		ppm	107.0	< 3.0	47.3	27.6
Ammonia-N		mg/L		1.2	1.6	2.0
Nitrate-N		mg/L		4.0 <	0.2 <	0.1
Orthophosphate-P		mg/L		586.0	37.4	35.0
Potassium		mg/L		926.0	82.4	78.0
Arsenic		50 ug/L				
Chromium		100 ug/L				
Lead		15 ug/L				
1,2-Dichloroethane		5 ug/L	<	0.8 <	0.8 <	0.8
Acetone		3500 ug/L	<	6.0 <	6.0 <	6.0
Benzene		5 ug/L		180.0	98.0	100.0
Toluene		1000 ug/L		7.0 <	0.5 <	0.5
Vinyl chloride		2 ug/L	<	1.2 <	1.2 <	1.2

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INT-059-P-2

Compound	Criteria	Units	12 - 93	12 - 94	01 - 96	04 - 96	07 - 96
Dissolved Oxygen		ppm			0.7	1.3	6.6
Field pH		pH un			7.0	7.0	6.9
Specific Conductivity		umhos			230.0	300.0	390.0
Temperature		deg C			23.0	21.0	24.0
Total Organic Carbon		ppm		18.4	< 5.0		
Ammonia-N		mg/L			0.4		
Nitrate-N		mg/L		<	2.0		
Orthophosphate-P		mg/L			2.6		
Potassium		mg/L					
Arsenic	50	ug/L			47.3	68.0	50.0
Chromium	100	ug/L		<	0.7	< 10.0	< 10.0
Lead	15	ug/L			< 5.0	< 5.0	
1,2-Dichloroethane	5	ug/L	12.0	<	0.8		
Acetone	3500	ug/L	9713.0	<	6.0		
Benzene	5	ug/L	443.0		21.0		
Toluene	1000	ug/L	97.0	<	0.5		
Vinyl chloride	2	ug/L	24.0	<	1.2		

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INT-060-P-3

Compound	Criteria	Units	01 - 96	04 - 96	07 - 96
Dissolved Oxygen		ppm	15.0	15.0	15.0
Field pH		pH un	6.8	7.0	7.1
Specific Conductivity		umhos	500.0	850.0	1380.0
Temperature		deg C	22.0	21.0	24.0
Total Organic Carbon		ppm	< 3.0	2.2	
Ammonia-N		mg/L	< 0.1	0.1	
Nitrate-N		mg/L	41.6	112.0	
Orthophosphate-P		mg/L	0.2 <	0.1	
Potassium		mg/L	37.9	118.0	
Arsenic		50 ug/L			
Chromium		100 ug/L			
Lead		15 ug/L			
1,2-Dichloroethane		5 ug/L	< 0.8	< 0.8	
Acetone		3500 ug/L	< 6.0	< 6.0	
Benzene		5 ug/L	< 0.3	25.0	
Toluene		1000 ug/L	< 0.5	11.0	
Vinyl chloride		2 ug/L	< 1.2	< 1.2	

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INT-101

Compound	Criteria	Units	08 - 95	12 - 95	01 - 96	04 - 96	07 - 96
Dissolved Oxygen		ppm	0.3	0.5	1.0	1.4	0.0
Field pH		pH un	6.5	6.9	7.0	6.8	6.8
Specific Conductivity		umhos	700.0	500.0	500.0	470.0	600.0
Temperature		deg C	23.0	23.0	23.0	21.0	22.0
Total Organic Carbon		ppm	86.0	84.0	< 3.0	29.4	8.8
Ammonia-N		mg/L	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Nitrate-N		mg/L	< 0.1	< 0.2	< 0.2	< 0.2	< 0.1
Orthophosphate-P		mg/L	< 0.1	< 0.1	< 0.1	0.5	0.6
Potassium		mg/L	1.3	1.4	0.7	0.7	0.6
Arsenic		50 ug/L		115.0	96.0	60.0	60.0
Chromium		100 ug/L		< 10.0	< 10.0	< 10.0	< 10.0
Lead		15 ug/L		< 5.0	< 5.0	< 5.0	< 3.0
1,2-Dichloroethane		5 ug/L	< 2.0	< 2.6	< 0.8	< 0.8	< 0.8
Acetone		3500 ug/L	< 15.0	< 19.8	< 6.0	< 6.0	< 6.0
Benzene		5 ug/L	400.0	218.0	120.0	36.0	36.0
Toluene		1000 ug/L	< 1.3	< 1.7	< 0.5	< 0.5	< 0.5
Vinyl chloride		2 ug/L	< 3.0	< 4.0	< 1.2	< 1.2	< 1.2

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INT-106

Compound	Criteria	Units	08 - 95	12 - 95	01 - 96	04 - 96	07 - 96
Dissolved Oxygen		ppm	0.3	0.4	0.4	1.4	0.1
Field pH		pH un	6.6	7.0	6.9	7.1	7.2
Specific Conductivity		umhos	950.0	550.0	550.0	600.0	900.0
Temperature		deg C	23.0	23.0	23.0	21.0	22.0
Total Organic Carbon		ppm	51.0	30.0	< 1.2	22.2	10.7
Ammonia-N		mg/L	< 0.1	< 0.1	< 0.1	< 0.1	0.1
Nitrate-N		mg/L	0.7	13.4	3.0	< 0.2	< 0.1
Orthophosphate-P		mg/L	< 0.1	< 0.1	< 0.1	< 0.1	0.1
Potassium		mg/L	3.0	3.1	2.7	2.5	2.4
Arsenic		50 ug/L					
Chromium		100 ug/L					
Lead		15 ug/L					
1,2-Dichloroethane		5 ug/L	110.0	43.0	22.0	63.0	54.0
Acetone		3500 ug/L	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
Benzene		5 ug/L	22.0	< 0.3	< 0.3	6.0	4.0
Toluene		1000 ug/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Vinyl chloride		2 ug/L	23.0	9.0	< 1.2	< 1.2	< 1.2

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INT-108

Compound	Criteria	Units	08 - 95	12 - 95	01 - 96	04 - 96	07 - 96
Dissolved Oxygen		ppm	1.5	3.8	0.6	1.5	0.1
Field pH		pH un	6.5	6.8	6.8	7.2	7.0
Specific Conductivity		umhos	480.0	410.0	390.0	450.0	750.0
Temperature		deg C	25.0	23.0	23.0	21.0	26.0
Total Organic Carbon		ppm	13.0	7.0	< 0.4	5.5	< 1.0
Ammonia-N		mg/L	< 0.1	1.0	0.2	< 0.1	0.4
Nitrate-N		mg/L	0.5	< 0.2	4.0	1.2	< 0.1
Orthophosphate-P		mg/L	1.9	0.3	0.8	0.9	1.1
Potassium		mg/L	44.1	9.8	41.4	39.3	43.0
Arsenic	50	ug/L					
Chromium	100	ug/L					
Lead	15	ug/L					
1,2-Dichloroethane	5	ug/L	25.0	< 0.8	< 0.8	< 0.8	< 0.8
Acetone	3500	ug/L	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
Benzene	5	ug/L	3.0	< 0.3	< 0.3	< 0.3	< 0.3
Toluene	1000	ug/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Vinyl chloride	2	ug/L	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2

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INT-118

Compound	Criteria	Units	12 - 94	12 - 95	01 - 96	04 - 96	07 - 96
Dissolved Oxygen		ppm	2.0	1.3	1.1	4.6	5.4
Field pH		pH un	8.1	8.2	8.3	8.6	9.8
Specific Conductivity		umhos	280.0	210.0	245.0	400.0	300.0
Temperature		deg C	240.0	24.0	24.0	22.0	24.0
Total Organic Carbon		ppm	5.0	2.4	< 5.0	< 2.0	< 1.0
Ammonia-N		mg/L	< 0.1		< 0.1	< 0.1	< 0.1
Nitrate-N		mg/L	< 2.0		< 0.2	371.0	0.4
Orthophosphate-P		mg/L	< 2.0		< 0.1	< 0.1	0.0
Potassium		mg/L	2.6		1.2	3.5	4.3
Arsenic	50	ug/L	< 3.9		< 10.0	< 10.0	< 10.0
Chromium	100	ug/L	5.9		< 10.0	< 10.0	< 10.0
Lead	15	ug/L	< 2.5		< 5.0	< 5.0	< 3.0
1,2-Dichloroethane	5	ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Acetone	3500	ug/L	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
Benzene	5	ug/L	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Toluene	1000	ug/L	< 0.5	< 0.5	< 0.5	< 0.5	2.0
Vinyl chloride	2	ug/L	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2

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INT-120

Compound	Criteria	Units	08 - 95	12 - 95	01 - 96	04 - 96	07 - 96
Dissolved Oxygen		ppm	15.0	3.8	15.0	1.6	0.1
Field pH		pH un		7.3	7.2	7.1	7.9
Specific Conductivity		umhos		1300.0	900.0	750.0	1350.0
Temperature		deg C	23.0	23.0	24.0	22.0	23.0
Total Organic Carbon		ppm	32.0	18.0	< 150.0	4.4 <	1.0
Ammonia-N		mg/L		< 0.1	0.9	0.9	0.3
Nitrate-N		mg/L		329.0	36.1	23.3	66.0
Orthophosphate-P		mg/L		37.4	470.0	21.6	10.0
Potassium		mg/L		94.1	834.0	122.0	130.0
Arsenic		50 ug/L					
Chromium		100 ug/L					
Lead		15 ug/L					
1,2-Dichloroethane		5 ug/L		1400.0	8400.0	21.0	87.0
Acetone		3500 ug/L		< 120.0	< 300.0	< 15.0 <	6.0
Benzene		5 ug/L		< 6.0	< 15.0	5.0	3.0
Toluene		1000 ug/L		< 10.0	< 25.0	< 1.3 <	0.5
Vinyl chloride		2 ug/L		< 24.0	< 260.0	< 3.0	10.0

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INT-123

Compound	Criteria	Units	08 - 95	12 - 95	01 - 96	04 - 96	07 - 96
Dissolved Oxygen		ppm	15.0	15.0	15.0	6.4	0.8
Field pH		pH un	9.1	7.2	8.6	8.2	9.7
Specific Conductivity		umhos	700.0	495.0	500.0	500.0	800.0
Temperature		deg C	26.0	23.0	24.0	22.0	23.0
Total Organic Carbon		ppm	6.0	8.0	< 3.0	4.2 <	1.0
Ammonia-N		mg/L	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Nitrate-N		mg/L	40.5	119.0	25.6	23.2	21.0
Orthophosphate-P		mg/L	< 0.1	4.1	0.7	0.4	0.3
Potassium		mg/L	75.0	68.4	73.6	58.9	62.0
Arsenic		50 ug/L					
Chromium		100 ug/L					
Lead		15 ug/L					
1,2-Dichloroethane		5 ug/L	610.0	580.0	120.0	210.0	270.0
Acetone		3500 ug/L	38.0 <	30.0	20.0 <	12.0 <	6.0
Benzene		5 ug/L	12.0 <	1.5 <	0.3 <	0.6	2.0
Toluene		1000 ug/L	3.0 <	2.5 <	0.5 <	1.0 <	0.5
Vinyl chloride		2 ug/L	300.0	77.0	15.0 <	2.4	3.0

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INT-127

Compound	Criteria	Units	08 - 95	12 - 95	01 - 96	04 - 96	07 - 96
Dissolved Oxygen		ppm	3.2	1.7	2.0	0.8	0.1
Field pH		pH un	6.5	6.8	6.3	6.7	6.7
Specific Conductivity		umhos	1190.0	700.0	750.0	850.0	1650.0
Temperature		deg C	24.0	23.0	24.0	22.0	23.0
Total Organic Carbon		ppm	124.0	90.0	77.7	70.0	44.0
Ammonia-N		mg/L	<	0.1	0.1	0.7	0.9
Nitrate-N		mg/L		5.0	24.1	4.0	47.9 < 0.1
Orthophosphate-P		mg/L	<	0.1	0.2 <	0.1 <	0.1 0.0
Potassium		mg/L		8.6	11.1	6.0	10.9 14.0
Arsenic		50 ug/L					
Chromium		100 ug/L					
Lead		15 ug/L					
1,2-Dichloroethane		5 ug/L	<	0.8 <	0.8 <	0.8 <	0.8 < 8.0
Acetone		3500 ug/L		740.0	84.0	120.0	6.0 < 60.0
Benzene		5 ug/L		220.0	140.0	150.0	160.0 170.0
Toluene		1000 ug/L		63.0	36.0	37.0	34.0 43.0
Vinyl chloride		2 ug/L		20.0 <	1.2 <	1.2 <	1.2 < 12.0

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INT-130R

Compound	Criteria	Units	04 - 96	07 - 96		
Dissolved Oxygen		ppm	1.7	1.4		
Field pH		pH un	7.4	7.5		
Specific Conductivity		umhos	850.0	900.0		
Temperature		deg C	26.0	23.0		
Total Organic Carbon		ppm	12.7	2.9		
Ammonia-N		mg/L	< 0.1	0.2		
Nitrate-N		mg/L	30.6	32.0		
Orthophosphate-P		mg/L	< 0.1	0.1		
Potassium		mg/L	1.5	2.4		
Arsenic	50	ug/L				
Chromium	100	ug/L				
Lead	15	ug/L				
1,2-Dichloroethane		5 ug/L	500.0	450.0		
Acetone		3500 ug/L	< 1000.0	< 6.0		
Benzene		5 ug/L	< 500.0	27.0		
Toluene		1000 ug/L	< 500.0	5.0		
Vinyl chloride		2 ug/L	< 1000.0	< 1.2		

Compound	Criteria	Units	04 - 96	07 - 96		
Dissolved Oxygen		ppm	2.1	0.1		
Field pH		pH un	7.2	7.2		
Specific Conductivity		umhos	900.0	1050.0		
Temperature		deg C	25.0	23.0		
Total Organic Carbon		ppm	17.4	10.0		
Ammonia-N		mg/L	< 0.1	< 0.1		
Nitrate-N		mg/L	23.2	20.0		
Orthophosphate-P		mg/L	< 0.1	- 0.1		
Potassium		mg/L	1.8	3.3		
Arsenic		50 ug/L				
Chromium		100 ug/L				
Lead		15 ug/L				
1,2-Dichloroethane		5 ug/L	1800.0	290.0		
Acetone		3500 ug/L	< 200.0	< 6.0		
Benzene		5 ug/L	< 100.0	21.0		
Toluene		1000 ug/L	< 100.0	< 0.5		
Vinyl chloride		2 ug/L	180.0	250.0		

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INT-134

Compound	Criteria	Units	07 - 95	12 - 95	01 - 96	04 - 96	07 - 96
Dissolved Oxygen		ppm	1.8	14.6	0.7	1.2	0.1
Field pH		pH un	7.7	6.8	7.4	7.4	7.4
Specific Conductivity		umhos	490.0	370.0	500.0	525.0	1000.0
Temperature		deg C	23.0	24.0	22.0	22.0	22.0
Total Organic Carbon		ppm	5.0	8.0	< 1.0	21.6	15.0
Ammonia-N		mg/L	< 0.1	< 0.1	0.3	0.7	0.5
Nitrate-N		mg/L	< 0.1	21.3	1.8	0.5	0.8
Orthophosphate-P		mg/L	< 0.1	0.2	18.0	8.7	4.0
Potassium		mg/L	1.0	1.4	43.1	26.4	16.0
Arsenic		50 ug/L					
Chromium		100 ug/L					
Lead		15 ug/L					
1,2-Dichloroethane		5 ug/L	28.0	78.0	68.0	67.0	85.0
Acetone		3500 ug/L	< 6.0	< 15.0	< 12.0	< 6.0	< 6.0
Benzene		5 ug/L	< 0.3	26.0	34.0	27.0	54.0
Toluene		1000 ug/L	< 0.5	< 1.3	< 1.0	< 0.5	< 0.5
Vinyl chloride		2 ug/L	83.0	198.0	190.0	19.0	140.0

018357

French Limited Project

INT-135

Compound	Criteria	Units	08 - 95	12 - 95	01 - 96	04 - 96	07 - 96
Dissolved Oxygen		ppm	1.4	3.8	1.0	1.0	0.2
Field pH		pH un	6.8	7.0	7.0	6.9	6.8
Specific Conductivity		umhos	400.0	325.0	440.0	500.0	820.0
Temperature		deg C	23.0	23.0	23.0	23.0	22.0
Total Organic Carbon		ppm	22.0	10.0	<	3.0	14.3
Ammonia-N		mg/L		<	0.1	0.1	0.1
Nitrate-N		mg/L			0.5	2.2	<
Orthophosphate-P		mg/L		<	0.1	<	0.1
Potassium		mg/L			1.2	1.2	1.2
Arsenic	50	ug/L			<	10.0	20.0
Chromium	100	ug/L			<	10.0	<
Lead	15	ug/L			<	5.0	<
1,2-Dichloroethane	5	ug/L		29.0	15.0	<	0.8
Acetone	3500	ug/L		<	12.0	<	6.0
Benzene	5	ug/L		<	0.6	<	0.3
Toluene	1000	ug/L		<	1.0	<	0.5
Vinyl chloride	2	ug/L			146.0	66.0	<
						1.2	<
							1.2

018358
French Limited Project

INT-144

Compound	Criteria	Units	08 - 95	12 - 95	01 - 96	04 - 96	07 - 96
Dissolved Oxygen		ppm	1.0	0.7	0.7	2.4	1.8
Field pH		pH un	8.2	8.8	8.6	8.8	9.7
Specific Conductivity		umhos	350.0	300.0	310.0	325.0	370.0
Temperature		deg C	22.0	21.0	23.0	21.0	21.0
Total Organic Carbon		ppm	12.0	1.5	< 3.0	< 2.0	< 1.0
Ammonia-N		mg/L	< 0.1	< 0.1	0.2	< 0.1	< 0.1
Nitrate-N		mg/L	< 0.1	< 0.2	< 0.2	< 0.2	< 0.1
Orthophosphate-P		mg/L	< 0.1	< 0.2	< 0.1	< 0.1	< 0.1
Potassium		mg/L	1.2	1.2	0.9	1.0	1.0
Arsenic	50	ug/L			< 10.0	20.0	17.0
Chromium	100	ug/L			< 10.0	< 10.0	< 10.0
Lead	15	ug/L			< 5.0	< 5.0	< 3.0
1,2-Dichloroethane	5	ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Acetone	3500	ug/L	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
Benzene	5	ug/L	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Toluene	1000	ug/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Vinyl chloride	2	ug/L	< 1.2	< 3.0	< 1.2	< 1.2	< 1.2

01839

French Limited Project

INT-214

Compound	Criteria	Units	02 - 95	01 - 96	04 - 96	07 - 96
Dissolved Oxygen		ppm		1.0	1.4	0.1
Field pH		pH un		6.9	7.5	7.2
Specific Conductivity		umhos		700.0	575.0	750.0
Temperature		deg C		23.0	21.0	22.0
Total Organic Carbon		ppm	<	0.7	3.0	< 1.0
Ammonia-N		mg/L		0.2	< 0.1	< 0.1
Nitrate-N		mg/L		5.5	1.5	< 0.1
Orthophosphate-P		mg/L		60.6	6.0	1.7
Potassium		mg/L		188.0	88.9	70.0
Arsenic		50 ug/L				
Chromium		100 ug/L				
Lead		15 ug/L				
1,2-Dichloroethane		5 ug/L	7.0	< 0.8	< 0.8	< 0.8
Acetone		3500 ug/L	< 6.0	< 6.0	< 6.0	< 6.0
Benzene		5 ug/L	19.0	< 0.3	< 0.3	< 0.3
Toluene		1000 ug/L	< 0.5	< 0.5	< 0.5	< 0.5
Vinyl chloride		2 ug/L	61.0	< 1.2	< 1.2	< 1.2

018360

French Limited Project

INT-217

Compound	Criteria	Units	10 - 95	11 - 95	01 - 96	04 - 96	07 - 96
Dissolved Oxygen		ppm	4.6	0.4	0.4	0.9	0.1
Field pH		pH un	6.7	6.5	6.9	6.7	6.7
Specific Conductivity		umhos	1150.0	750.0	1000.0	805.0	1300.0
Temperature		deg C	24.0	23.0	23.0	21.0	22.0
Total Organic Carbon		ppm	58.0	74.0	< 2.5	56.8	48.4
Ammonia-N		mg/L	0.6	< 0.1	1.1	0.4	0.1
Nitrate-N		mg/L	< 0.2	0.8	0.5 <	0.2 <	0.1
Orthophosphate-P		mg/L	< 0.2	< 0.2	206.0	5.9	1.0
Potassium		mg/L	1.5	1.3	385.0	19.6	2.1
Arsenic		50 ug/L					
Chromium		100 ug/L					
Lead		15 ug/L					
1,2-Dichloroethane		5 ug/L	30.0	< 0.8	< 0.8	< 0.8	< 0.8
Acetone		3500 ug/L	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
Benzene		5 ug/L	24.0	14.0	22.0	51.0	16.0
Toluene		1000 ug/L	< 0.5	< 0.5	< 0.5	< 12.0	< 0.5
Vinyl chloride		2 ug/L	63.0	41.0	51.0	8.0	9.0

018361

French Limited Project

INT-233

Compound	Criteria	Units	09 - 95	11 - 95	01 - 96	04 - 96	07 - 96
Dissolved Oxygen		ppm	1.2	0.3		0.7	0.1
Field pH		pH un	6.1	6.4	6.8	6.8	6.7
Specific Conductivity		umhos	3000.0	4000.0	750.0	1200.0	2050.0
Temperature		deg C	25.0	21.0	24.0	22.0	22.0
Total Organic Carbon		ppm	3130.0	2850.0	< 1800.0	264.0	100.0
Ammonia-N		mg/L	< 0.1	0.4	2.6	1.2	7.8
Nitrate-N		mg/L	0.3	0.3	< 0.2	< 0.2	< 0.1
Orthophosphate-P		mg/L	< 0.2	< 0.2	< 0.1	5.5	5.5
Potassium		mg/L	4.7	2.8	16.2	10.5	13.0
Arsenic		50 ug/L					
Chromium		100 ug/L					
Lead		15 ug/L					
1,2-Dichloroethane		5 ug/L	< 400.0	< 80.0	< 160.0	< 2.7	< 8.0
Acetone		3500 ug/L	76000.0	7600.0	27000.0	< 19.8	< 60.0
Benzene		5 ug/L	2300.0	1400.0	740.0	370.0	350.0
Toluene		1000 ug/L	< 250.0	< 50.0	< 100.0	140.0	100.0
Vinyl chloride		2 ug/L	8500.0	3000.0	< 240.0	< 4.0	< 12.0

018362

French Limited Project

INT-59-P-2

Compound	Criteria	Units	07 - 96				
Dissolved Oxygen	/	ppm					
Field pH		pH un					
Specific Conductivity		umhos					
Temperature		deg C					
Total Organic Carbon		ppm					
Ammonia-N		mg/L					
Nitrate-N		mg/L					
Orthophosphate-P		mg/L					
Potassium		mg/L	2.6				
Arsenic	50	ug/L	32.0				
Chromium	100	ug/L	< 10.0				
Lead	15	ug/L	< 3.0				
1,2-Dichloroethane		5 ug/L					
Acetone		3500 ug/L					
Benzene		5 ug/L					
Toluene		1000 ug/L					
Vinyl chloride		2 ug/L					

Compound	Criteria	Units	07 - 96				
Dissolved Oxygen		ppm					
Field pH		pH un					
Specific Conductivity		umhos					
Temperature		deg C					
Total Organic Carbon	ppm	<	1.0				
Ammonia-N		mg/L	<	0.1			
Nitrate-N		mg/L		100.0			
Orthophosphate-P		mg/L		0.1			
Potassium		mg/L		120.0			
Arsenic	50	ug/L					
Chromium	100	ug/L					
Lead	15	ug/L					
1,2-Dichloroethane	5	ug/L	<	0.8			
Acetone	3500	ug/L	<	6.0			
Benzene	5	ug/L	<	0.3			
Toluene	1000	ug/L	<	0.5			
Vinyl chloride	2	ug/L	<	1.2			

018364

French Limited Project

S1-031

Compound	Criteria	Units	09 - 94	08 - 95	01 - 96	04 - 96	07 - 96
Dissolved Oxygen		ppm		15.0	0.6	1.5	0.0
Field pH		pH un		6.9	7.2	7.5	7.4
Specific Conductivity		umhos		700.0	600.0	300.0	450.0
Temperature		deg C		24.0	23.0	21.0	23.0
Total Organic Carbon		ppm		15.0	< 9.0	4.1	< 1.0
Ammonia-N		mg/L			0.2	0.6	0.3
Nitrate-N		mg/L			26.5	2.8	0.2
Orthophosphate-P		mg/L			5.5	1.7	0.5
Potassium		mg/L			144.0	93.8	32.0
Arsenic	50	ug/L			< 10.0	< 10.0	< 10.0
Chromium	100	ug/L			< 13.0	< 10.0	< 10.0
Lead	15	ug/L			< 5.0	< 5.0	< 3.0
1,2-Dichloroethane	5	ug/L	<	0.8	< 0.8	< 0.8	< 0.8
Acetone	3500	ug/L	<	6.0	< 6.0	< 6.0	< 6.0
Benzene	5	ug/L	<	0.3	< 0.3	< 0.3	< 0.3
Toluene	1000	ug/L	<	0.5	< 0.5	< 0.5	< 0.5
Vinyl chloride	2	ug/L	<	1.2	< 1.2	< 1.2	< 1.2

018365

French Limited Project

S1-033

Compound	Criteria	Units	03 - 94	01 - 96	04 - 96	07 - 96
Dissolved Oxygen		ppm		0.4	1.6	0.2
Field pH		pH un		6.5	7.2	6.7
Specific Conductivity		umhos		495.0	450.0	700.0
Temperature		deg C		23.0	20.0	22.0
Total Organic Carbon		ppm	<	3.0	3.5	< 1.0
Ammonia-N		mg/L		< 0.1	< 0.1	< 0.1
Nitrate-N		mg/L		131.0	288.0	0.8
Orthophosphate-P		mg/L		1.2	0.6	0.5
Potassium		mg/L		68.1	59.5	88.0
Arsenic	50	ug/L	<	10.0	< 10.0	< 10.0
Chromium	100	ug/L	<	10.0	< 10.0	< 10.0
Lead	15	ug/L	<	5.0	< 5.0	< 3.0
1,2-Dichloroethane	5	ug/L	< 0.8	< 0.8	< 0.8	< 0.8
Acetone	3500	ug/L	< 6.0	< 6.0	< 6.0	< 6.0
Benzene	5	ug/L	< 0.3	< 0.3	< 0.3	< 0.3
Toluene	1000	ug/L	< 0.5	< 0.5	< 0.5	< 0.5
Vinyl chloride	2	ug/L	< 1.2	< 1.2	< 1.2	< 1.2

018366
French Limited Project

S1-051-P-3

Compound	Criteria	Units	01 - 96	04 - 96	07 - 96	
Dissolved Oxygen		ppm	0.6	1.8	1.7	
Field pH		pH un	6.9	6.9	6.9	
Specific Conductivity		umhos	500.0	450.0	820.0	
Temperature		deg C	21.0	20.0	23.0	
Total Organic Carbon		ppm	<	3.0	11.3	7.8
Ammonia-N		mg/L		0.8	0.9	1.0
Nitrate-N		mg/L		7.4	4.2	3.8
Orthophosphate-P		mg/L	<	0.1	<	0.1
Potassium		mg/L		37.9	54.8	81.0
Arsenic		50 ug/L				
Chromium		100 ug/L				
Lead		15 ug/L				
1,2-Dichloroethane		5 ug/L	<	0.8	<	0.8
Acetone		3500 ug/L	<	6.0	<	6.0
Benzene		5 ug/L	<	0.3	<	0.3
Toluene		1000 ug/L	<	0.5	<	0.5
Vinyl chloride		2 ug/L	<	1.2	<	1.2

018367

French Limited Project

S1-106A

Compound	Criteria	Units	11 - 95	01 - 96	04 - 96	07 - 96
Dissolved Oxygen		ppm	15.0	15.0	12.6	7.6
Field pH		pH un	6.7	6.7	7.5	7.3
Specific Conductivity		umhos	470.0	450.0	400.0	800.0
Temperature		deg C	25.0	24.0	21.0	22.0
Total Organic Carbon		ppm	3.0 <	3.0 <	2.0 <	1.0
Ammonia-N		mg/L	< 0.1	< 0.1	0.2 <	0.1
Nitrate-N		mg/L	21.7	92.3	16.6	23.3
Orthophosphate-P		mg/L	< 0.2	0.7	0.6	1.0
Potassium		mg/L	35.0	47.0	43.1	52.0
Arsenic		50 ug/L				
Chromium		100 ug/L				
Lead		15 ug/L				
1,2-Dichloroethane		5 ug/L	< 0.8	< 0.8	< 0.8	7.0
Acetone		3500 ug/L	< 6.0	< 6.0	< 6.0	6.0
Benzene		5 ug/L	< 0.3	< 0.3	< 0.3	0.3
Toluene		1000 ug/L	< 0.5	< 0.5	< 0.5	0.5
Vinyl chloride		2 ug/L	< 1.2	< 1.2	< 1.2	1.2

01836

French Limited Project

S1-106R

Compound	Criteria	Units	07 - 96			
Dissolved Oxygen		ppm	0.1			
Field pH		pH un	6.8			
Specific Conductivity		umhos	1100.0			
Temperature		deg C	21.0			
Total Organic Carbon		ppm	9.0			
Ammonia-N		mg/L	3.2			
Nitrate-N		mg/L	< 0.1			
Orthophosphate-P		mg/L	16.0			
Potassium		mg/L	53.0			
Arsenic	50	ug/L				
Chromium	100	ug/L				
Lead	15	ug/L				
1,2-Dichloroethane	5	ug/L	< 0.8			
Acetone	3500	ug/L	< 6.0			
Benzene	5	ug/L	36.0			
Toluene	1000	ug/L	< 0.5			
Vinyl chloride	2	ug/L	< 1.2			

018369

French Limited Project

S1-108A

Compound	Criteria	Units	11 - 95	01 - 96	04 - 96	07 - 96
Dissolved Oxygen		ppm	0.5	2.0	1.8	0.1
Field pH		pH un	6.0	6.1	7.1	6.8
Specific Conductivity		umhos	425.0	470.0	400.0	650.0
Temperature		deg C	25.0	22.0	20.0	25.0
Total Organic Carbon		ppm	8.0	51.6	3.8	1.1
Ammonia-N		mg/L	0.8	0.2	<	0.1
Nitrate-N		mg/L	5.8	51.6	4.2	0.5
Orthophosphate-P		mg/L	<	0.2	0.3	0.1
Potassium		mg/L	17.9	28.2	34.2	38.0
Arsenic		50 ug/L				
Chromium		100 ug/L				
Lead		15 ug/L				
1,2-Dichloroethane		5 ug/L	10.0	<	0.8	<
Acetone		3500 ug/L	<	6.0	<	6.0
Benzene		5 ug/L	<	0.3	<	0.3
Toluene		1000 ug/L	<	0.5	<	0.5
Vinyl chloride		2 ug/L	<	1.2	<	1.2

018370

French Limited Project

S1-111

Compound	Criteria	Units	12 - 94	12 - 95	01 - 96	04 - 96	07 - 96
Dissolved Oxygen		ppm	15.0	15.0	15.0	15.0	15.0
Field pH		pH un	9.3	7.8	7.7	7.2	7.5
Specific Conductivity		umhos	800.0	525.0	900.0	600.0	1050.0
Temperature		deg C	24.0	21.0	22.0	21.0	22.0
Total Organic Carbon		ppm	3.4	6.7	9.0		
Ammonia-N		mg/L	<	0.1	<	0.1	
Nitrate-N		mg/L	<	2.0	231.0		
Orthophosphate-P		mg/L	<	2.0	18.5		
Potassium		mg/L	155.0	126.0			170.0
Arsenic	50	ug/L	26.3		< 10.0	< 10.0	< 10.0
Chromium	100	ug/L	132.0		< 12.0	< 10.0	< 10.0
Lead	15	ug/L	98.4		< 9.0	< 5.0	< 3.0
1,2-Dichloroethane	5	ug/L	<	0.8	< 0.8		
Acetone	3500	ug/L	<	6.0	< 6.0		
Benzene	5	ug/L	<	0.3	< 0.3		
Toluene	1000	ug/L	<	0.5	< 0.5		
Vinyl chloride	2	ug/L	<	1.2	< 1.2		

018371

French Limited Project

S1-118

Compound	Criteria	Units	12 - 94	12 - 95	01 - 96	04 - 96	07 - 96
Dissolved Oxygen		ppm	3.4	2.2	1.6	1.6	0.8
Field pH		pH un	6.6	8.0	6.7	6.7	6.3
Specific Conductivity		umhos	308.0	470.0	200.0	500.0	310.0
Temperature		deg C	24.0	21.0	24.0	21.0	26.0
Total Organic Carbon		ppm	9.4	9.0	<	0.5	6.2
Ammonia-N		mg/L	0.1		<	0.1	0.1
Nitrate-N		mg/L	<	2.0	<	0.2 <	0.2 <
Orthophosphate-P		mg/L	<	2.0	<	0.1 <	0.1
Potassium		mg/L	3.6		2.7	1.7	1.5
Arsenic	50	ug/L	5.6		< 10.0	< 10.0	< 10.0
Chromium	100	ug/L	5.3		< 10.0	< 10.0	< 10.0
Lead	15	ug/L	6.3		< 5.0	< 5.0	< 3.0
1,2-Dichloroethane	5	ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Acetone	3500	ug/L	22.0	< 6.0	< 6.0	< 6.0	< 6.0
Benzene	5	ug/L	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Toluene	1000	ug/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Vinyl chloride	2	ug/L	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2

018372
French Limited Project

S1-121

Compound	Criteria	Units	09 - 95	12 - 95	01 - 96	04 - 96	07 - 96
Dissolved Oxygen		ppm	15.0	4.4	10.2	1.7	0.1
Field pH		pH un	6.5	6.7	6.8	6.8	6.9
Specific Conductivity		umhos	650.0	700.0	750.0	750.0	1300.0
Temperature		deg C	25.0	25.0	24.0	23.0	23.0
Total Organic Carbon		ppm	6.6	35.0	108.0	14.6	5.2
Ammonia-N		mg/L	<	0.1	0.1	0.1	0.6
Nitrate-N		mg/L	<	0.2	<	56.2	<
Orthophosphate-P		mg/L	<	0.2	<	0.1	<
Potassium		mg/L		2.8	4.8	108.0	19.0
Arsenic		50 ug/L					
Chromium		100 ug/L					
Lead		15 ug/L					
1,2-Dichloroethane		5 ug/L		4.0	48.0	40.0	24.0
Acetone		3500 ug/L	<	6.0	324.0	<	6.0 <
Benzene		5 ug/L	<	0.3	57.0	<	0.3
Toluene		1000 ug/L	<	0.5	24.0	<	0.5 <
Vinyl chloride		2 ug/L	<	1.2	311.0	17.0	66.0

018373
French Limited Project

S1-123

Compound	Criteria	Units	08 - 95	12 - 95	01 - 96	04 - 96	07 - 96
Dissolved Oxygen		ppm	6.1	14.6	3.2	2.2	5.0
Field pH		pH un	6.8	6.8	7.1	7.0	6.8
Specific Conductivity		umhos	550.0	370.0	500.0	550.0	1130.0
Temperature		deg C	24.0	24.0	25.0	22.0	24.0
Total Organic Carbon		ppm	15.0	8.0	0.4	4.8	9.3
Ammonia-N		mg/L	0.4	<	0.1	0.1	0.3
Nitrate-N		mg/L	<	0.1	7.4	2.4	0.2 < 0.1
Orthophosphate-P		mg/L	<	0.1	0.8	0.4	0.3
Potassium		mg/L	24.2	5.3	8.2	17.0	28.0
Arsenic	50	ug/L					
Chromium	100	ug/L					
Lead	15	ug/L					
1,2-Dichloroethane	5	ug/L	46.0	18.0	180.0	680.0	19000.0
Acetone	3500	ug/L	19.0	<	12.0	4.0	< 60.0 < 60.0
Benzene	5	ug/L	< 0.3	<	0.6	< 0.3	< 3.0 < 3.0
Toluene	1000	ug/L	< 0.5	<	1.0	< 0.5	< 5.0
Vinyl chloride	2	ug/L	< 1.2	<	2.4	4.0	< 12.0
							2600.0

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French Limited Project

S1-131

Compound	Criteria	Units	05 - 95	06 - 95	01 - 96	04 - 96	07 - 96
Dissolved Oxygen		ppm	5.0	9.4	9.0	1.4	0.1
Field pH		pH un	7.0	6.9	7.2	7.5	7.0
Specific Conductivity		umhos	1000.0	1200.0	600.0	550.0	1300.0
Temperature		deg C	24.0	24.0	24.0	22.0	23.0
Total Organic Carbon		ppm		<	3.0	20.8	17.0
Ammonia-N		mg/L	0.1	<	0.1	1.8	2.2
Nitrate-N		mg/L	5.7		8.6	306.0	<
Orthophosphate-P		mg/L	< 0.7	<	0.1 <	0.1	0.0
Potassium		mg/L	14.0		62.6	91.9	94.0
Arsenic		50 ug/L					
Chromium		100 ug/L					
Lead		15 ug/L					
1,2-Dichloroethane		5 ug/L	< 80.0		< 0.8 <	0.8	6.0
Acetone		3500 ug/L	10000.0		< 6.0 <	6.0	17.0
Benzene		5 ug/L	< 30.0		8.0	21.0	31.0
Toluene		1000 ug/L	< 50.0		3.0 < 0.5 <	0.5	0.5
Vinyl chloride		2 ug/L	< 120.0		< 1.2 <	1.2 <	1.2

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French Limited Project

S1-135

Compound	Criteria	Units	12 - 94	12 - 95	01 - 96	04 - 96	07 - 96
Dissolved Oxygen		ppm	0.8	0.6	1.6	1.7	0.1
Field pH		pH un	6.2	6.2	6.5	6.6	6.3
Specific Conductivity		umhos	455.0	420.0	350.0	300.0	450.0
Temperature		deg C	24.0	25.0	23.0	21.0	23.0
Total Organic Carbon		ppm	18.1	52.0	< 0.5	16.4	16.0
Ammonia-N		mg/L	0.4		0.9	0.7	0.4
Nitrate-N		mg/L	< 2.0		< 0.2	< 0.2	< 0.1
Orthophosphate-P		mg/L	< 2.0		< 0.1	< 0.1	0.2
Potassium		mg/L	4.0		7.3	5.6	3.8
Arsenic	50	ug/L	209.0	195.0	169.0	40.0	62.0
Chromium	100	ug/L	4.9	13.0	13.0	< 10.0	< 10.0
Lead	15	ug/L	< 2.5	< 5.0	5.0	< 5.0	5.1
1,2-Dichloroethane	5	ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Acetone	3500	ug/L	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
Benzene	5	ug/L	< 0.3	< 0.3	< 0.3	< 3.0	< 0.3
Toluene	1000	ug/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Vinyl chloride	2	ug/L	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2

+ = Compound concentration more than linear calibration range of instrument

ATTACHMENT B

Field Duplicate Precision Summaries

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GROUNDWATER MONITORING

July, 1996

French Ltd. Project

Field Duplicate Precision Summary

Compound	Units	INT-022	INT-022 Dup	RPD
1,1,1-TRICHLOROETHANE	UG/L	<	5	5
1,1,2,2-TETRACHLOROETHANE	UG/L	<	5	5
1,1,2-TRICHLOROETHANE	UG/L	<	5	5
1,1-DICHLOROETHANE	UG/L	<	5	5
1,1-DICHLOROETHENE	UG/L	<	5	5
1,2-DICHLOROETHANE	UG/L	<	5	5
1,2-DICHLOROPROPANE	UG/L	<	5	5
2-BUTANONE	UG/L	<	10	10
2-HEXANONE	UG/L	<	10	10
4-METHYL-2-PENTANONE	UG/L	<	10	10
ACETONE	UG/L	<	10	10
AMMONIA	MG/L	0.13	0.13	0%
BENZENE	UG/L	<	5	5
BROMODICHLOROMETHANE	UG/L	<	10	10
BROMOFORM	UG/L	<	5	5
BROMOMETHANE	UG/L	<	10	10
CARBON DISULFIDE	UG/L	<	5	5
CARBON TETRACHLORIDE	UG/L	<	5	5
CHLOROBENZENE	UG/L	<	5	5
CHLOROETHANE	UG/L	<	10	10
CHLOROFORM	UG/L	<	5	5
CHLOROMETHANE	UG/L	<	10	10
CIS-1,2-DICHLOROETHENE	UG/L	<	5	5
CIS-1,3-DICHLOROPROPENE	UG/L	<	5	5
DIBROMOCHLOROMETHANE	UG/L	<	5	5
ETHYLBENZENE	UG/L	<	5	5
METHYLENE CHLORIDE	UG/L	<	5	5
NITROGEN, NITRATE	MG/L	0.07	0.07	0%
ORTHO PHOSPHATE	MG/L	0.08	0.1	14%
POTASSIUM - TOTAL	UG/L	39000	39000	0%
STYRENE	UG/L	<	5	5
TETRACHLOROETHENE	UG/L	<	5	5
TOLUENE	UG/L	<	5	5
TOTAL ORGANIC CARBON	MG/L	<	1	1
TOTAL XYLENES	UG/L	<	5	5
TRANS-1,2-DICHLOROETHENE	UG/L	<	5	5
TRANS-1,3-DICHLOROPROPENE	UG/L	<	5	5
TRICHLOROETHENE	UG/L	<	5	5
VINYL CHLORIDE	UG/L	<	10	10

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GROUNDWATER MONITORING
July, 1996

French Ltd. Project

Field Duplicate Precision Summary

Compound	Units	INT-120	INT-120 Dup	RPD
1,1,1-TRICHLOROETHANE	UG/L	< 5	< 5	
1,1,2,2-TETRACHLOROETHANE	UG/L	< 5	< 5	
1,1,2-TRICHLOROETHANE	UG/L	< 5	< 5	
1,1-DICHLOROETHANE	UG/L	25	27	5%
1,1-DICHLOROETHENE	UG/L	< 5	< 5	
1,2-DICHLOROETHANE	UG/L	87	100	9%
1,2-DICHLOROPROPANE	UG/L	< 5	< 5	
2-BUTANONE	UG/L	< 10	< 10	
2-HEXANONE	UG/L	< 10	< 10	
4-METHYL-2-PENTANONE	UG/L	< 10	< 10	
ACETONE	UG/L	< 10	< 10	
AMMONIA	MG/L	0.25	0.26	3%
BENZENE	UG/L	3	4	18%
BROMODICHLOROMETHANE	UG/L	< 10	< 10	
BROMOFORM	UG/L	< 5	< 5	
BROMOMETHANE	UG/L	< 10	< 10	
CARBON DISULFIDE	UG/L	< 5	< 5	
CARBON TETRACHLORIDE	UG/L	< 5	< 5	
CHLOROBENZENE	UG/L	< 5	< 5	
CHLOROETHANE	UG/L	< 10	< 10	
CHLOROFORM	UG/L	180	210	10%
CHLOROMETHANE	UG/L	< 10	< 10	
CIS-1,2-DICHLOROETHENE	UG/L	76	85	7%
CIS-1,3-DICHLOROPROPENE	UG/L	< 5	< 5	
DIBROMOCHLOROMETHANE	UG/L	< 5	< 5	
ETHYLBENZENE	UG/L	< 5	< 5	
METHYLENE CHLORIDE	UG/L	4	3	20%
NITROGEN, NITRATE	MG/L	66	68	2%
ORTHO PHOSPHATE	MG/L	10	10	0%
POTASSIUM - TOTAL	UG/L	130000	140000	5%
STYRENE	UG/L	< 5	< 5	
TETRACHLOROETHENE	UG/L	13	14	5%
TOLUENE	UG/L	< 5	< 5	
TOTAL ORGANIC CARBON	MG/L	< 1	< 1	
TOTAL XYLENES	UG/L	< 5	< 5	
TRANS-1,2-DICHLOROETHENE	UG/L	< 5	< 5	
TRANS-1,3-DICHLOROPROPENE	UG/L	< 5	< 5	
TRICHLOROETHENE	UG/L	13	15	9%
VINYL CHLORIDE	UG/L	10	10	0%

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GROUNDWATER MONITO. G

July, 1996

French Ltd. Project

Field Duplicate Precision Summary

Compound	Units	INT-123	INT-123 Dup	RPD
1,1,1-TRICHLOROETHANE	UG/L	< 5	< 5	
1,1,2,2-TETRACHLOROETHANE	UG/L	< 5	< 5	
1,1,2-TRICHLOROETHANE	UG/L	< 5	< 5	
1,1-DICHLOROETHANE	UG/L	60	55	6%
1,1-DICHLOROETHENE	UG/L	< 5	< 5	
1,2-DICHLOROETHANE	UG/L	270	270	0%
1,2-DICHLOROPROPANE	UG/L	< 5	< 5	
2-BUTANONE	UG/L	< 10	< 10	
2-HEXANONE	UG/L	< 10	< 10	
4-METHYL-2-PENTANONE	UG/L	< 10	< 10	
ACETONE	UG/L	< 10	< 10	
AMMONIA	MG/L	< 0.1	< 0.1	
BENZENE	UG/L	2	2	0%
BROMODICHLOROMETHANE	UG/L	< 10	< 10	
BROMOFORM	UG/L	< 5	< 5	
BROMOMETHANE	UG/L	< 10	< 10	
CARBON DISULFIDE	UG/L	< 5	< 5	
CARBON TETRACHLORIDE	UG/L	< 5	< 5	
CHLOROBENZENE	UG/L	< 5	< 5	
CHLOROETHANE	UG/L	< 10	< 10	
CHLOROFORM	UG/L	290	280	2%
CHLOROMETHANE	UG/L	< 10	< 10	
CIS-1,2-DICHLOROETHENE	UG/L	< 5	< 5	
CIS-1,3-DICHLOROPROPENE	UG/L	< 5	< 5	
DIBROMOCHLOROMETHANE	UG/L	< 5	< 5	
ETHYLBENZENE	UG/L	< 5	< 5	
METHYLENE CHLORIDE	UG/L	5	7	21%
NITROGEN, NITRATE	MG/L	21	22	3%
ORTHO PHOSPHATE	MG/L	0.27	0.26	3%
POTASSIUM - TOTAL	UG/L	62000	62000	0%
STYRENE	UG/L	< 5	< 5	
TETRACHLOROETHENE	UG/L	4	3	20%
TOLUENE	UG/L	< 5	< 5	
TOTAL ORGANIC CARBON	MG/L	< 1	< 1	
TOTAL XYLENES	UG/L	< 5	< 5	
TRANS-1,2-DICHLOROETHENE	UG/L	< 5	< 5	
TRANS-1,3-DICHLOROPROPENE	UG/L	44	36	14%
TRICHLOROETHENE	UG/L	3	2	29%
VINYL CHLORIDE	UG/L	3	5	31%

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GROUNDWATER MONITC .G

July, 1996

French Ltd. Project

Field Duplicate Precision Summary

Compound	Units	INT-217	INT-217 Dup	RPD
1,1,1-TRICHLOROETHANE	UG/L	< 5	< 5	
1,1,2,2-TETRACHLOROETHANE	UG/L	< 5	< 5	
1,1,2-TRICHLOROETHANE	UG/L	< 5	< 5	
1,1-DICHLOROETHANE	UG/L	5	6	12%
1,1-DICHLOROETHENE	UG/L	< 5	< 5	
1,2-DICHLOROETHANE	UG/L	< 5	< 5	
1,2-DICHLOROPROPANE	UG/L	< 5	< 5	
2-BUTANONE	UG/L	< 10	< 10	
2-HEXANONE	UG/L	< 10	< 10	
4-METHYL-2-PENTANONE	UG/L	< 10	< 10	
ACETONE	UG/L	< 10	< 10	
AMMONIA	MG/L	0.1	0.11	6%
BENZENE	UG/L	16	18	8%
BROMODICHLOROMETHANE	UG/L	< 10	< 10	
BROMOFORM	UG/L	< 5	< 5	
BROMOMETHANE	UG/L	< 10	< 10	
CARBON DISULFIDE	UG/L	< 5	< 5	
CARBON TETRACHLORIDE	UG/L	< 5	< 5	
CHLOROBENZENE	UG/L	3	3	0%
CHLOROETHANE	UG/L	< 10	< 10	
CHLOROFORM	UG/L	< 5	< 5	
CHLOROMETHANE	UG/L	< 10	< 10	
CIS-1,2-DICHLOROETHENE	UG/L	< 5	< 5	
CIS-1,3-DICHLOROPROPENE	UG/L	< 5	< 5	
DIBROMOCHLOROMETHANE	UG/L	< 5	< 5	
ETHYLBENZENE	UG/L	< 5	< 5	
METHYLENE CHLORIDE	UG/L	< 5	< 5	
NITROGEN, NITRATE	MG/L	< 0.05	< 0.05	
ORTHO PHOSPHATE	MG/L	1	0.56	42%
POTASSIUM - TOTAL	UG/L	2100	2000	3%
STYRENE	UG/L	< 5	< 5	
TETRACHLOROETHENE	UG/L	< 5	< 5	
TOLUENE	UG/L	< 5	< 5	
TOTAL ORGANIC CARBON	MG/L	48.4	48.8	1%
TOTAL XYLEMES	UG/L	< 5	< 5	
TRANS-1,2-DICHLOROETHENE	UG/L	< 5	< 5	
TRANS-1,3-DICHLOROPROPENE	UG/L	< 5	< 5	
TRICHLOROETHENE	UG/L	< 5	< 5	
VINYL CHLORIDE	UG/L	9	9	0%

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French Ltd. Project

Field Duplicate Precision Summary

Compound	Units	S1-135	S1-135 Dup	RPD
1,1,1-TRICHLOROETHANE	UG/L	< 5	< 5	
1,1,2,2-TETRACHLOROETHANE	UG/L	< 5	< 5	
1,1,2-TRICHLOROETHANE	UG/L	< 5	< 5	
1,1-DICHLOROETHANE	UG/L	< 5	< 5	0%
1,1-DICHLOROETHENE	UG/L	< 5	< 5	
1,2-DICHLOROETHANE	UG/L	< 5	< 5	
1,2-DICHLOROPROPANE	UG/L	< 5	< 5	
2-BUTANONE	UG/L	< 10	< 10	
2-HEXANONE	UG/L	< 10	< 10	
4-METHYL-2-PENTANONE	UG/L	< 10	< 10	
ACETONE	UG/L	< 10	< 10	
AMMONIA	MG/L	0.44	0.44	0%
ARSENIC - TOTAL	UG/L	62	59	3%
BENZENE	UG/L	< 5	< 5	
BROMODICHLOROMETHANE	UG/L	< 10	< 10	
BROMOFORM	UG/L	< 5	< 5	
BROMOMETHANE	UG/L	< 10	< 10	
CARBON DISULFIDE	UG/L	< 5	< 5	
CARBON TETRACHLORIDE	UG/L	< 5	< 5	
CHLOROBENZENE	UG/L	< 5	< 5	
CHLOROETHANE	UG/L	< 10	< 10	
CHLOROFORM	UG/L	< 5	< 5	
CHLOROMETHANE	UG/L	< 10	< 10	
CHROMIUM - TOTAL	UG/L	< 10	< 10	
CIS-1,2-DICHLOROETHENE	UG/L	< 5	< 5	
CIS-1,3-DICHLOROPROPENE	UG/L	< 5	< 5	
DIBROMOCHLOROMETHANE	UG/L	< 5	< 5	
ETHYLBENZENE	UG/L	< 5	< 5	
LEAD - TOTAL	UG/L	5.1	5	1%
METHYLENE CHLORIDE	UG/L	< 5	< 5	
NITROGEN, NITRATE	MG/L	< 0.05	< 0.05	
ORTHO PHOSPHATE	MG/L	0.18	0.18	0%
POTASSIUM - TOTAL	UG/L	3800	3700	2%
STYRENE	UG/L	< 5	< 5	
TETRACHLOROETHENE	UG/L	< 5	< 5	
TOLUENE	UG/L	< 5	< 5	
TOTAL ORGANIC CARBON	MG/L	16	15	4%
TOTAL XYLENES	UG/L	< 5	< 5	
TRANS-1,2-DICHLOROETHENE	UG/L	< 5	< 5	
TRANS-1,3-DICHLOROPROPENE	UG/L	< 5	< 5	
TRICHLOROETHENE	UG/L	< 5	< 5	
VINYL CHLORIDE	UG/L	< 10	< 10	

ATTACHMENT C

Sampling Method Comparison Summaries

018383

GROUNDWATER MONITORING

July, 1996

Sampling Method Comparison

Micro-purge vs Bailed

French Ltd Project

INT-101

	MP1	B	MP2	RPD		
	MP1	B	MP2	MP1 / MP2	MP1 / B	MP2 / B
1,1,1-TRICHLOROETHANE	<	5	< 5	< 5		
1,1,2,2-TETRACHLOROETHANE	<	5	< 5	< 5		
1,1,2-TRICHLOROETHANE	<	5	< 5	< 5		
1,1-DICHLOROETHANE	<	5	< 5	< 8		
1,1-DICHLOROETHENE	<	5	< 5	< 5		
1,2-DICHLOROETHANE	<	5	< 5	< 5		
1,2-DICHLOROPROPANE	<	5	< 5	< 5		
2-BUTANONE	<	10	< 10	< 10		
2-HEXANONE	<	10	< 10	< 10		
4-METHYL-2-PENTANONE	<	10	< 10	< 10		
ACETONE	<	10	< 10	< 10		
AMMONIA	<	0.1	< 0.1	< 0.1		
ARSENIC - TOTAL	< 60	< 100	< 120	67%	50%	18%
BENZENE	< 36	< 48	< 73	68%	29%	41%
BROMODICHLOROMETHANE	<	10	< 10	< 10		
BROMOFORM	<	5	< 5	< 5		
BROMOMETHANE	<	10	< 10	< 10		
CARBON DISULFIDE	<	5	< 5	< 5		
CARBON TETRACHLORIDE	<	5	< 5	< 5		
CHLOROBENZENE	<	5	< 5	< 5		
CHLOROETHANE	<	10	< 10	< 10		
CHLOROFORM	<	5	< 5	< 5		
CHLOROMETHANE	<	10	< 10	< 10		
CHROMIUM - TOTAL	<	10	< 10	< 10		
CIS-1,2-DICHLOROETHENE	<	5	< 5	< 5		
CIS-1,3-DICHLOROPROPENE	<	5	< 5	< 5		
DIBROMOCHLOROMETHANE	<	5	< 5	< 5		
ETHYLBENZENE	<	5	< 5	< 5		
LEAD - TOTAL	<	3	< 3	< 3		
METHYLENE CHLORIDE	<	5	< 5	< 5		
NITROGEN, NITRATE	<	0.05	< 0.05	< 0.05		
ORTHO-PHOSPHATE	< 0.64	< 0.65	< 0.08	156%	2%	156%
POTASSIUM - TOTAL	< 630	< 920	< 1000	45%	37%	8%
STYRENE	<	5	< 5	< 5		
TETRACHLOROETHENE	<	5	< 7	< 5		
TOLUENE	<	5	< 5	< 5		
TOTAL ORGANIC CARBON	< 8.8	< 13	< 18	69%	39%	32%
TOTAL XYLENES	<	5	< 5	< 5		
TRANS-1,2-DICHLOROETHENE	<	5	< 5	< 5		
TRANS-1,3-DICHLOROPROPENE	<	5	< 5	< 5		
TRICHLOROETHENE	<	5	< 5	< 5		
VINYL CHLORIDE	<	10	< 10	< 10		

RPD = Relative percent difference

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GROUNDWATER MONITORING

July, 1996

Sampling Method Comparison
Micro-purge vs Bailed

French Ltd Project

INT-127

	MP1	B	MP2	RPD		
				MP1 / MP2	MP1 / B	MP2 / B
1,1,1-TRICHLOROETHANE	< 50	< 50	< 50			
1,1,2,2-TETRACHLOROETHANE	< 50	< 50	< 50			
1,1,2-TRICHLOROETHANE	< 50	< 50	< 50			
1,1-DICHLOROETHANE	< 50	31	54			
1,1-DICHLOROETHENE	< 50	50	< 50			
1,2-DICHLOROETHANE	< 50	< 50	< 50			
1,2-DICHLOROPROPANE	< 50	< 50	< 50			
2-BUTANONE	< 100	< 100	< 100			
2-HEXANONE	< 100	< 100	< 100			
4-METHYL-2-PENTANONE	< 100	< 100	< 100			
ACETONE	< 100	< 100	< 100			
AMMONIA	0.85	0.22	0.13	147%	118%	51%
BENZENE	< 70	< 170	< 210	21%	0%	21%
BROMODICHLOROMETHANE	< 50	< 50	< 50			
BROMOFORM	< 50	< 50	< 50			
BROMOMETHANE	< 100	< 100	< 100			
CARBON DISULFIDE	< 50	< 50	< 50			
CARBON TETRACHLORIDE	< 50	< 50	< 50			
CHLOROBENZENE	< 50	< 50	< 50			
CHLOROETHANE	< 1.70	< 89	< 98	54%	63%	10%
CHLOROFORM	< 50	< 50	< 50			
CHLORMETHANE	< 100	< 170	< 100			
CIS-1,2-DICHLOROETHENE	< 50	< 50	< 50			
CIS-1,3-DICHLOROPROPENE	< 50	< 50	< 50			
DIBROMOCHLOROMETHANE	< 50	< 50	< 50			
ETHYLBENZENE	< 50	< 50	< 50			
METHYLENE CHLORIDE	< 50	23	< 50			
NITROGEN, NITRATE	< 0.05	0.46	< 0.05			
ORTHO-PHOSPHATE	0.027	0.15	0.14	135%	139%	7%
POTASSIUM - TOTAL	< 4000	< 5600	< 3400	122%	87%	47%
STYRENE	< 50	< 50	< 50			
TETRACHLOROETHENE	< 50	< 50	< 50			
TOLUENE	< 43	< 40	< 45	5%	7%	12%
TOTAL ORGANIC CARBON	< 44	< 58	< 60	31%	27%	3%
TOTAL XYLEMES	< 29	< 30	< 34	16%	3%	13%
TRANS-1,2-DICHLOROETHENE	< 50	< 50	< 50			
TRANS-1,3-DICHLOROPROPENE	< 50	< 50	< 50			
TRICHLOROETHENE	< 50	< 50	< 50			
VINYL CHLORIDE	< 100	< 100	< 100			

RPD = Relative percent difference

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GROUNDWATER MONITORING

July, 1996

Sampling Method Comparison
Micro-purge vs Bailed

French Ltd Project

INT-130RS

	MP1	B	MP2	RPD		
				MP1 / MP2	MP1 / B	MP2 / B
1,1,2,2-TETRACHLOROETHANE	< 5	< 50	< 5			
1,1,2-TRICHLOROETHANE	< 5	< 50	< 5			
1,1-DICHLOROETHANE	180	310	140	25%	53%	76%
1,1-DICHLOROETHENE	4	< 50	< 5			
1,2-DICHLOROETHANE	290	1500	640	75%	135%	80%
1,2-DICHLOROPROPANE	< 5	< 50	< 5			
2-BUTANONE	< 10	< 50	< 10			
2-HEXANONE	< 10	< 50	< 10			
4-METHYL-2-PENTANONE	< 10	< 50	< 10			
ACETONE	< 10	< 50	< 10			
AMMONIA	< 0.1	< 0.1	< 0.1			
ARSENIC - TOTAL		< 10				
BENZENE	21	< 50	12			
BROMODICHLOROMETHANE	< 10	< 50	< 10			
BROMOFORM	< 5	< 50	< 5			
BROMOMETHANE	< 10	< 50	< 10			
CARBON DISULFIDE	< 5	< 50	< 5			
CARBON TETRACHLORIDE	1000	3000	4100	122%	100%	31%
CHLOROBENZENE	< 5	< 50	< 5			
CHLOROETHANE	< 10	< 50	< 10			
CHLOROFORM	1600	1800	1100	37%	12%	48%
CHLOROMETHANE	< 10	< 50	< 10			
CHROMIUM - TOTAL		< 10				
CIS-1,2-DICHLOROETHENE	390	250	110	112%	44%	78%
CIS-1,3-DICHLOROPROPENE	< 5	< 50	< 5			
DIBROMOCHLOROMETHANE	< 5	< 50	< 5			
ETHYLBENZENE	< 5	< 50	< 5			
LEAD - TOTAL		< 3				
METHYLENE CHLORIDE	10	< 50	11			
NITROGEN NITRATE	20	34	32	46%	52%	6%
STYRENE	< 5	< 50	< 5			
TETRACHLOROETHENE	1800	2900	4000	76%	47%	32%
TOLUENE	< 5	< 50	< 5			
TOTAL ORGANIC CARBON	10	6.8	7.6	27%	38%	11%
TOTAL XYLENES	3	42	46			
TRANS-1,2-DICHLOROETHENE	< 5	< 50	< 5			
TRANS-1,3-DICHLOROPROPENE	< 5	< 50	< 5			
TRICHLOROETHENE	76	120	120	45%	45%	0%
VINYL-CHLORIDE	250	210	89	95%	17%	81%

RPD = Relative percent difference

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GROUNDWATER MONITORING

July, 1996

Sampling Method Comparison
Micro-purge vs Bailed

French Ltd Project

INT-134

	MP1	B	MP2	RPD		
				MP1 / MP2	MP1 / B	MP2 / B
1,1,2,2-TETRACHLOROETHANE	< 5	< 5	< 5			
1,1,2-TRICHLOROETHANE	< 5	< 5	< 5			
1,1-DICHLOROETHANE	110	80	110	0%	32%	32%
1,1-DICHLOROETHENE	< 5	< 5	< 5			
1,2-DICHLOROETHANE	85	76	100	16%	11%	27%
1,2-DICHLOROPROPANE	< 5	< 5	< 5			
2-BUTANONE	< 10	< 10	< 10			
2-HEXANONE	< 10	< 10	< 10			
4-METHYL-2-PENTANONE	< 10	< 10	< 10			
ACETONE	< 10	13	< 10			
AMMONIA	0.53	0.28	0.25	72%	62%	11%
BENZENE	54	34	47	14%	45%	32%
BROMODICHLOROMETHANE	< 10	< 10	< 10			
BROMOFORM	< 5	< 5	< 5			
BROMOMETHANE	< 10	< 10	< 10			
CARBON DISULFIDE	< 5	< 5	< 5			
CARBON TETRACHLORIDE	< 5	< 5	< 5			
CHLOROBENZENE	< 5	< 5	< 5			
CHLOROETHANE	< 10	< 10	< 10			
CHLOROFORM	< 5	5	6			
CHLOROMETHANE	< 10	< 10	< 10			
CIS-1,2-DICHLOROETHENE	16	18	26	48%	12%	36%
CIS-1,3-DICHLOROPROPENE	< 5	< 5	< 5			
DIBROMOCHLOROMETHANE	< 5	< 5	< 5			
ETHYLBENZENE	< 5	< 5	< 5			
METHYLENE CHLORIDE	< 5	< 5	< 5			
NITROGEN NITRATE	0.78	2.5	2.2	95%	105%	13%
ORTHO PHOSPHATE	4	2.7			39%	
POTASSIUM - TOTAL	16000	130000			156%	
STYRENE	< 5	< 5	< 5			
TETRACHLOROETHENE	< 5	< 5	< 5			
TOLUENE	< 5	< 5	< 5			
TOTAL ORGANIC CARBON	15	13	13	14%	14%	0%
TOTAL XYLENES	< 5	< 5	< 5			
TRANS-1,2-DICHLOROETHENE	< 5	< 5	< 5			
TRANS-1,3-DICHLOROPROPENE	< 5	< 5	< 5			
TRICHLOROETHENE	< 5	< 5	< 5			
VINYL CHLORIDE	140	150	240	53%	7%	46%

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July, 1996

Sampling Method Comparison
Micro-purge vs Bailed

French Ltd Project

INT-233

	MP1	B	MP2	MP1 / MP2	MP1 / B	MP2 / B	RPD
1,1,2,2-TETRACHLOROETHANE	< 50	< 50	< 25				
1,1,2-TRICHLOROETHANE	< 50	< 50	< 25				
1,1-DICHLOROETHANE	< 50	< 50	< 25				
1,1-DICHLOROETHENE	< 50	< 50	< 25				
1,2-DICHLOROETHANE	< 50	< 50	< 25				
1,2-DICHLOROPROPANE	< 50	< 50	< 25				
2-BUTANONE	< 100	< 100	< 50				
2-HEXANONE	< 100	< 100	< 50				
4-METHYL-2-PENTANONE	< 100	< 100	52				
ACETONE	< 100	< 100	780				
AMMONIA	7.8	6.2					23%
BENZENE	350	610	460	27%	54%	28%	
BROMODICHLOROMETHANE	< 50	< 10	< 25				
BROMOFORM	< 50	< 50	< 25				
BROMOMETHANE	< 100	< 100	< 50				
CARBON DISULFIDE	< 50	< 50	< 25				
CARBON TETRACHLORIDE	< 50	< 50	< 25				
CHLOROBENZENE	< 50	< 50	< 25				
CHLOROETHANE	200	250	300	40%	22%	18%	
CHLOROFORM	< 50	< 50	< 25				
CHLOROMETHANE	< 100	< 100	< 50				
CIS-1,2-DICHLOROETHENE	< 50	< 50	< 25				
CIS-1,3-DICHLOROPROPENE	< 50	< 50	< 25				
DIBROMOCHLOROMETHANE	< 50	< 50	< 25				
ETHYLBENZENE	59	130	92	44%	75%	34%	
METHYLENE CHLORIDE	< 50	40	< 25				
NITROGEN, NITRATE	< 0.05	< 0.05					
ORTHO-PHOSPHATE	5.5	0.08					194%
POTASSIUM - TOTAL	\$13000	12000					8%
STYRENE	< 50	< 50	< 25				
TETRACHLOROETHENE	< 50	< 50	< 25				
TOLUENE	100	230	160	46%	79%	36%	
TOTAL ORGANIC CARBON	100	44					78%
TOTAL XYLENES	10	210	150	31%	63%	33%	
TRANS-1,2-DICHLOROETHENE	< 50	< 50	< 25				
TRANS-1,3-DICHLOROPROPENE	< 50	< 50	< 25				
TRICHLOROETHENE	< 50	< 50	< 25				
VINYL CHLORIDE	< 100	< 100	< 50				

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GROUNDWATER MONITORING

July, 1996

Sampling Method Comparison

Micro-purge vs Bailed

French Ltd Project

S1-123

	MP1	B	MP2	RPD		
				MP1 / MP2	MP1 / B	MP2 / B
1,1,2,2-TETRACHLOROETHANE	< 50	< 5	< 50			
1,1,2-TRICHLOROETHANE	< 50	< 5	< 50			
1,1-DICHLOROETHANE	590	50	270	74%	169%	138%
1,1-DICHLOROETHENE	< 50	< 5	< 50			
1,2-DICHLOROETHANE	19000	570	7000	92%	188%	170%
1,2-DICHLOROPROPANE	< 50	< 5	< 50			
2-BUTANONE	< 100	< 10	< 100			
2-HEXANONE	< 100	< 10	< 100			
4-METHYL-2-PENTANONE	< 100	< 10	< 100			
ACETONE	< 100	54	< 100			
AMMONIA	0.44	0.49	0.44	0%	11%	11%
BENZENE	< 50	< 5	< 50			
BROMODICHLOROMETHANE	< 50	< 10	< 100			
BROMOFORM	< 50	< 5	< 50			
BROMOMETHANE	< 100	< 10	< 100			
CARBON DISULFIDE	< 50	< 5	< 50			
CARBON TETRACHLORIDE	< 50	< 5	< 50			
CHLOROBENZENE	< 50	< 5	< 50			
CHLOROETHANE	< 100	< 10	< 100			
CHLOROFORM	20000	650	6000	108%	187%	161%
CHLOROMETHANE	< 100	< 10	< 100			
CIS-1,2-DICHLOROETHENE	< 50	76	860			
CIS-1,3-DICHLOROPROPENE	< 50	< 5	< 50			
DIBROMOCHLOROMETHANE	< 50	< 5	< 50			
ETHYLBENZENE	< 50	< 5	< 50			
METHYLENE CHLORIDE	1800	< 5	760			
NITROGEN, NITRATE	< 0.05	1.8	3.1			
ORTHO PHOSPHATE	0.94	0.38	0.27	111%	85%	34%
POTASSIUM TOTAL	28000	18000	21000	29%	43%	15%
STYRENE	< 50	< 5	< 50			
TETRACHLOROETHENE	180	12	110	48%	175%	161%
TOLUENE	43	< 5	< 50			
TOTAL ORGANIC CARBON	9.3	6.1	5.5	51%	42%	10%
TOTAL XYLENES	38	< 5	< 50			
TRANS-1,2-DICHLOROETHENE	< 50	< 5	< 50			
TRANS-1,3-DICHLOROPROPENE	< 50	< 5	< 50			
TRICHLOROETHENE	2200	67	760	97%	188%	168%
VINYL CHLORIDE	2600	< 10	500			

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GROUNDWATER MONITORING

July, 1996

Sampling Method Comparison
Micro-purge vs Bailed

French Ltd Project

S1-131

	MP1	B	MP2	RPD		
				MP1 / MP2	MP1 / B	MP2 / B
1,1,2,2-TETRACHLOROETHANE	<	5	<	5	5	
1,1,2-TRICHLOROETHANE	<	5	<	5	5	
1,1-DICHLOROETHANE	<	5	<	5	5	
1,1-DICHLOROETHENE	<	5	<	5	5	
1,2-DICHLOROETHANE		6	<	5	5	
1,2-DICHLOROPROPANE	<	5	<	5	5	
2-BUTANONE	<	10	<	10	10	
2-HEXANONE	<	10	<	10	10	
4-METHYL-2-PENTANONE	<	10	<	10	10	
ACETONE		17	<	10	10	
AMMONIA		2.2		0.69	1	75%
BENZENE		31		29	22	34%
BROMODICHLOROMETHANE	<	10	<	10	10	
BROMOFORM	<	5	<	5	5	
BROMOMETHANE	<	10	<	10	10	
CARBON DISULFIDE	<	5	<	5	5	
CARBON TETRACHLORIDE	<	5	<	5	5	
CHLOROBENZENE	<	5	<	5	5	
CHLOROETHANE	<	10	<	10	10	
CHLOROFORM	<	5	<	5	2	
CHLOROMETHANE	<	10	<	10	10	
CIS-1,2-DICHLOROETHENE	<	5	<	5	5	
CIS-1,3-DICHLOROPROPENE	<	5	<	5	5	
DIBROMOCHLOROMETHANE	<	5	<	5	5	
ETHYLBENZENE	<	5	<	5	5	
METHYLENE CHLORIDE	<	5	<	5	5	
NITROGEN NITRATE	<	0.05		0.21	14	199%
ORTHO PHOSPHATE		0.027		0.051	0.027	0%
POTASSIUM TOTAL		94000		130000	98000	4%
STYRENE	<	5	<	5	5	
TETRACHLOROETHENE	<	5	<	5	5	
TOLUENE	<	5	<	5	5	
TOTAL ORGANIC CARBON		17		5	6.4	91%
TOTAL XYLENES	<	5	<	5	5	
TRANS-1,2-DICHLOROETHENE	<	5	<	5	5	
TRANS-1,3-DICHLOROPROPENE	<	5	<	5	5	
TRICHLOROETHENE	<	5	<	5	5	
VINYL CHLORIDE	<	10	<	10	10	